

Please amend the claims as follows:

Claim 1 (currently amended): A method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse, which comprises transferring a first recombinant DNA in which a first promoter, a gene having recombinase recognition sequences on both ends, and a selective marker gene fluorescence protein gene of a target cell differentiated from an embryonic stem cell are arranged in this order from a 5' side, and the first promoter makes the selective marker gene express, and a second recombinant DNA in which a second promoter specifically expressing in a target cell differentiated from an embryonic stem cell, and a recombinase-expressing gene are arranged in this order from a 5' side, respectively, into an embryonic stem cell.

Claim 2 (currently amended): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 1, wherein the recombinase recognition sequence is loxP.

Claim 3 (currently amended): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 1, wherein the first promoter is a constitutive strong expression promoter.

Claim 4 (currently amended): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 3, wherein the constitutive strong expression promoter is a CMV promoter or a CA promoter.

Claim 5 (currently amended): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 1, wherein the selective marker gene is a fluorescence protein gene.

Claim 6 (currently amended): The method for selectively isolating or visualizing a target cell in vitro differentiated from a embryonic stem cell of human, monkey or mouse according to claim 1, wherein the recombinase-expressing gene is a recombinase Cre-expressing gene.

Claim 7 (currently amended): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 1, wherein the second promoter is a Nkx2.5 gene promoter or an αMHC gene promoter.

Claim 8 (currently amended): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 1, wherein transfer of the first recombinant DNA into an embryonic stem cell is performed using a first vector for transferring a gene.

Claim 9 (currently amended): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 8, wherein the first vector for transferring a gene is a virus vector.

Claim 10 (currently amended): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 9, wherein the virus vector is an adenovirus vector.

Claim 11 (currently amended): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 1, wherein transfer of the second recombinant DNA into an embryonic stem cell is performed using a second vector for transferring a gene.

Claim 12 (currently amended): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 11, wherein the second vector for intruding a gene is a virus vector.

Claim 13 (currently amended): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 12, wherein the virus vector is an adenovirus vector.

Claim 14 (original): An embryonic stem cell in which the first recombinant DNA as defined in claim 1 is transferred.

Claim 15 (original): The embryonic stem cell in which the second recombinant DNA as defined in claim 1 is transferred.

Claim 16 (original): The embryonic stem cell in which the first recombinant DNA and the second recombinant DNA as defined in claim 1 are transferred, respectively.

Claim 17 (original): The embryonic stem cell according to any one of claim 14 to claim 16, wherein the embryonic stem cell is derived from a mouse.

Claim 18 (original): A first vector for transferring a gene, which comprises the first recombinant DNA as defined in claim 8.

Claim 19 (original): The first vector for transferring a gene according to claim 18, which is a virus vector.

Claim 20 (original): The first vector for transferring a gene according to claim 19, wherein the virus vector is an adenovirus vector.

Claim 21 (original): A second vector for transferring a gene, which comprises the second recombinant DNA as defined in claim 11.

Claim 22 (original): The second vector for transferring a vector according to claim 21, which is a virus vector.

Claim 23 (original): The second vector for transferring a gene according to claim 22, wherein the virus vector is an adenovirus vector.

Claim 24 (currently amended): A kit for isolation or visualization used in a method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse, which comprises the first vector for transferring a gene as defined in claim 18, and the second vector for transferring a gene as defined in claim 21.

Claim 25 (currently amended): The kit for isolation or visualization used in a method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 24, wherein the first vector for transferring a gene and the second vector for transferring a gene are a virus vector.

Claim 26 (currently amended): The kit for isolation or visualization used in a method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 25, wherein the virus vector is an adenovirus vector.

Claim 27 (currently amended): The kit for isolation or visualization used in a method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse, which comprises the embryonic stem cell as defined in claim 14, and the second vector for transferring a gene as defined in claim 21.

Claim 28 (currently amended): The kit for isolation or visualization used in a method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 27, wherein the second vector for transferring a gene is a virus vector.

Claim 29 (currently amended): The kit for isolation or visualization used in a method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 28, wherein the virus vector is an adenovirus vector.

Claim 30 (currently amended): The kit for isolation or visualization used in a method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse, which comprises the first vector for transferring a gene as defined in claim 18, and the embryonic stem cell as defined in claim 15.

Claim 31 (currently amended): The kit for isolation or visualization used in a method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 30, wherein the first vector for transferring a gene is a virus vector.

Claim 32 (currently amended): The ~~kid~~ kit for isolation or visualization used in a method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 31, wherein the virus vector is an adenovirus vector.

Claim 33 (currently amended): A cell obtained by the method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse as defined in claim 1.

Claim 34 (original): The cell according to claim 33, wherein the cell is a cell obtained by using a Nkx2.5 gene promoter as the second promoter.

Claim 35 (original): The cell according to claim 33, wherein the cell is a cardiac muscle cell obtained by using an  $\alpha$ MHC gene promoter as the second promoter.

Claim 36 (original): A tissue, which comprises the cell as defined in claim 33.

Claims 37 and 38 (cancelled)